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RAW SEQUENCE LISTING DATE: 05/09/2002 F 2
PATENT APPLICATION: US/09/930,213 TIME: 14:21:04

Input Set : D:\Albrel4.app

Output Set: N:\CRF3\05092002\I930213.raw

```
3 <110> APPLICANT: ROSENTHAL, ANDRE
         HINZMANN, BERND
 4
 5
         SCHAFER, REINHARD
        ZUBER, JOHANNES
 6
 7
        TCHE-NITSE, OLEG
 8
         GRIPS, MARTIN
 9
        HELLNEGEL, MARTIN
10
         SCHMITZ, ANNE-CHANTAL
11
         SERS, CHRISTINE
13 <120> TITLE OF INVENTION: DETECTION OF DIFFERENTIAL GENE EXPRESSIONS
15 <130> FILE REFERENCE: ALBRE-14
17 <140> CURRENT APPLICATION NUMBER: 09/930,213
18 <141> CURRENT FILING DATE: 2001-01-31
20 <150> PRIOR APPLICATION NUMBER: DE 10004102.7
21 <151> PRIOR FILING DATE: 2000-01-31
23 <160> NUMBER OF SEQ ID NOS: 885
25 <170 > SOFTWARE: PatentIn Ver. 2.1
27 <210> SEQ ID NO: 1
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35 <223> OTHER INFORMATION: a, t, c, g, other or unknown
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39 < 222 > LOCATION: (346)
40 <223> OTHER INFORMATION: a, t, c, g, other or unknown
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50 <223> OTHER INFORMATION: a, t, c, g, other or unknown
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54 <222> LOCATION: (431)
55 <223> OTHER INFORMATION: a, t, c, q, other or unknown
57 <400> SEQUENCE: 1
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W--> 58 naagecette ategatttat agagetttte agagtgatgg tttetegage agaaattgae 60

Input Set : D:\Albrel4.app

Output Set: N:\CRF3\05092002\I930213.raw

59 atgttggata teegggeaca etteaagaga etetatggaa agtetetgta etegtteate 120 60 aagggtgaca catctggaga ctacaggaaa gtactgcttg ttctctgtgg aggagatgat 180 61 taaaataaaa atcccagaag gacaggagga ttctcaacac tttgaatttt tttaacttca 240 62 tttttctaca ctgctattat cattatctca gaatgcttat ttccaattaa aacgcctaca 300 W--> 63 gctgcctcct aggaatatag actgtctgta ttattattca cctatnatta ggtccattat 360 W--> 64 ggatgcttta aagctgtact tggcatttcc aaagcntata aggttataat gggaggtttt 420 W--> 65 naaagtagga nttaaatatg tattccctgt tttttaaaa 67 <210> SEQ ID NO: 2 68 <211> LENGTH: 352 69 <212> TYPE: DNA 70 <213> ORGANISM: Homo sapiens 72 <400> SEQUENCE: 2 73 catggcatgc agaggatcta caaaatgggt tcaccaggcc tgtctacaac gctgggtgga 60 74 tgaaaagcaa acaggaaaca gtacagccag agtggcatgt cctcagtgca atgctgaata 120 75 cctaatagtt tttccaaaat tgggtccagt ggtttacgtc ttggatcttg cagatagact 180 76 gateteaaaa geetgteeat ttgetgeage aggaataatg gteggeteta tetattggae 240 77 agctgtgact tatggagcag tgacagtgat gcaggttgta ggtcataaag aaggtctgga 300 78 tgttatggag agagetgate etttatteet tttaatttgg gaetteetae ta 80 <210> SEQ ID NO: 3 81 <211> LENGTH: 360 82 <212> TYPE: DNA 83 <213> ORGANISM: Homo sapiens 85 <220> FEATURE: 86 <221> NAME/KEY: modified_base 87 <222> LOCATION: (335) 88 <223> OTHER INFORMATION: a, t, c, g, other or unknown 90 <220> FEATURE: 91 <221> NAME/KEY: modified_base 92 <222> LOCATION: (353) 93 <223> OTHER INFORMATION: a, t, c, g, other or unknown 95 <400> SEQUENCE: 3 96 ggcacgaggc atagggctcg gcgtggtttc acaggtggtt tcttgggcaa gatgggccca 60 97 ccttcaagta ttctgggatc aagttcacgt gctttgaatt tgtattgttg caatttctcg 120 98 ageteetcag cetecagete tgetgtactt ttgcaggtca cagecegtge aeggtgtttg 180 99 gtttgcagta caggagtctg tgggtctctg caaatcttgg tcacagaaga tttggagggt 240 100 aacaggttaa tatcatcctt cttggctcct caaatgatat ctgttagggg ttcgtttatg 300 W--> 101 gaagtettea acttgetgtg caaggtggge acatnatgta gaaactgttt cancaaatgt 360 103 <210> SEO ID NO: 4 104 <211> LENGTH: 433 105 <212> TYPE: DNA 106 <213> ORGANISM: Homo sapiens 108 <220> FEATURE: 109 <221> NAME/KEY: modified_base 110 <222> LOCATION: (282) 111 <223> OTHER INFORMATION: a, t, c, g, other or unknown 113 <220> FEATURE: 114 <221> NAME/KEY: modified_base 115 <222> LOCATION: (373)

116 <223> OTHER INFORMATION: a, t, c, g, other or unknown

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Input Set : D:\Albrel4.app

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- 125 <222> LOCATION: (419)
- 126 <223> OTHER INFORMATION: a, t, c, g, other or unknown
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- 130 tttagggaca gatgagtttt ccagatagtg tcagcttatt tgaagattaa ttttctttgt 120
- 131 taacttaaaa taactatttt aaccettgag tggettettt ttaaaccaaa aaccgtettt 180
- 132 ctttgctttt ttatcacage agaatcagga tctctttctc attcaagggg qqaaccaccc 240
- W--> 133 cagggtcage getgegeetg etgtggeege egegageeae gneetetggg attettttgg 300
- 134 taccgtcact cttggcttgt gccttccaca acttctcggt tgcagatccc tatgggggga 360 W--> 135 agettgeete aangttetet ggaacttggt cagaageaag egeetgggtn gggtgtttne 420
- - 136 ctggggccaa ttt
 - 138 <210> SEQ ID NO: 5
 - 139 <211> LENGTH: 603
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 - 141 <213> ORGANISM: Homo sapiens
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 - 154 <221> NAME/KEY: modified base
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 - 156 <223> OTHER INFORMATION: a, t, c, g, other or unknown
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 - 163 <220> FEATURE:
 - 164 <221> NAME/KEY: modified_base
 - 165 <222> LOCATION: (514)
 - 166 <223> OTHER INFORMATION: a, t, c, g, other or unknown
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 - 169 <221> NAME/KEY: modified_base
 - 170 <222> LOCATION: (519)
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 - 176 <223> OTHER INFORMATION: a, t, c, g, other or unknown

RAW SEQUENCE LISTING
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Input Set : D:\Albrel4.app

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- 179 <221> NAME/KEY: modified_base
- 180 <222> LOCATION: (560)
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- 184 <221> NAME/KEY: modified_base
- 185 <222> LOCATION: (584)
- 186 <223> OTHER INFORMATION: a, t, c, g, other or unknown
- 188 <400> SEQUENCE: 5
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 - 190 aaacaggact gacaccatga ttcagactcc tggccccctg ccagcaccac aactcacatc 120
 - 191 cactgtactg cgggagaaca gtcggcccat gggagaccag attcaagaac ctgagtctga 180
 - 192 acatggttct gaaccagact ttttacacaa tcctcagatg cagatctctt ggttaggcca 240
 - 193 geogaagtta gaagaettaa ateggaagga eagaacagga atgaactaca tgaaagtgag 300
- W--> 194 aactggagtg aggcatgctg ttcggggtct aatggaggna gatgctgagc ccatctttga 360
- 195 agatgtgatg atgtcatccc gaagccagtt agaagatatg aatggaagaa tttggaggac 420
- W--> 196 accatgggtt attgatctgc ctcccatcaa gaaatcggcg agangaggc tgagctaagg 480 W--> 197 cccagacttc ctttgactct gccanttatc catnggagnt ggattcangg atttgggaat 540
- W--> 198 gccctatggt tcctgaagtn ctgggaggaa attttccaaa cctnggaccc ctattaattt 600
 - 199 tgg
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 - 203 <212> TYPE: DNA
 - 204 <213> ORGANISM: Homo sapiens
 - 206 <220> FEATURE:
 - 207 <221> NAME/KEY: modified_base
 - 208 < 222 > LOCATION: (6)
 - 209 <223> OTHER INFORMATION: a, t, c, g, other or unknown
 - 211 <220> FEATURE:
 - 212 <221> NAME/KEY: modified_base
 - 213 <222> LOCATION: (87)
 - 214 <223> OTHER INFORMATION: a, t, c, g, other or unknown
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 - 217 <221> NAME/KEY: modified_base
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 - 219 <223> OTHER INFORMATION: a, t, c, g, other or unknown
 - 221 <220> FEATURE:
 - 222 <221> NAME/KEY: modified_base
 - 223 <222> LOCATION: (557)
 - 224 <223> OTHER INFORMATION: a, t, c, g, other or unknown
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- W--> 228 gtccagaagc ccccccagcg gaggcgncag agtaaaagag caagcttttg tgagataatc 120
 - 229 gaagaacttt tctcccccgt ttgtttgttg gagtggtgcc aggtactggt tttggagaac 180
 - 230 ttgtctacaa ccagggattg attttaaaga tgtcttttt tattttactt ttttttaagc 240
 - 231 accaaatttt gttgtttttt ttttttctcc cctccccaca gatcccatct caaatcattc 300
 - 232 tgttaaccac cattccaaca ggtcgaggag agcttaaaca ccttcttcct ctgccttgtt 360
- 233 totottttat titttattit titegeateag tattaatgit tittigeatae tittgeatett 420 W--> 234 tatteaaaag tigtaaactit etitiggiena atetatigga catiggeecat atatiggaagg 480

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Input Set : D:\Albrel4.app

Output Set: N:\CRF3\05092002\I930213.raw

235 agatggggtg gggtcaaaaa ggggatatca aatgaaagtg gatagggggc cacaatgggg 540 W--> 236 gaaattgaag tgggggnata acatggccaa aat 238 <210> SEO ID NO: 7 239 <211> LENGTH: 487 240 <212> TYPE: DNA 241 <213> ORGANISM: Homo sapiens 243 <220> FEATURE: 244 <221> NAME/KEY: modified_base 245 <222> LOCATION: (479) 246 <223> OTHER INFORMATION: a, t, c, g, other or unknown 248 <400> SEQUENCE: 7 249 taaqqqtttc totactatqt ccacttqqta aaatqcqqct qacaattccq tgtcqgqccc 60 250 ttacatgttc tcatctacaa tgttttgacg caactcttta cattcagatg aatgagaaaa 120 251 aaccaacctg ggtttgtcct gtctgtgata agaaggctcc atatgaacac cttattattg 180 252 atggettgtt tatggaaate etaaagtaet gtacagaetg tgatgaaata caatttaagg 240 253 aggatggcac ttgggcaccg atgagatcaa aaaaggaagt acaggaagtt tctgcctctt 300 254 acaatqqaqt cqatqqatqc ttqaqctcca cattggaqca tcaggtagcg tctcaccacc 360 255 agtecteaaa taaaaacaag aaagtagaag tgattgacet aaccatagae agtteatetg 420 W--> 256 atgaagagga agaagagcca tetgecaaga ggacetgtee tteeetatet eecacatena 480 257 ccactag 259 <210> SEQ ID NO: 8 260 <211> LENGTH: 168 261 <212> TYPE: DNA 262 <213> ORGANISM: Homo sapiens 264 <220> FEATURE: 265 <221> NAME/KEY: modified_base 266 <222> LOCATION: (147) 267 <223> OTHER INFORMATION: a, t, c, g, other or unknown 269 <400> SEQUENCE: 8 270 caaatttgtg ttgtatatat tcgtattcca tgtgttagat ggaagcattt cctatccagt 60 271 qtqaataaaa agaacagttq taqtaaatta ttataaaqcc qatqatattt catggcaggt 120 W--> 272 tattctacca agetgtgctt gttggtnttt teccatgact gtaatget 168 274 <210> SEQ ID NO: 9 275 <211> LENGTH: 219 276 <212> TYPE: DNA 277 <213> ORGANISM: Homo sapiens 279 <400> SEQUENCE: 9 280 ayaqaqtqqt tcaaaqtaqa aqatqctatc aaaqttctcc aqtqtcataa acctgtacat 60 281 gcagagtatc tggaaaagct aaagctgggt tgttccccag ccaatggaaa ttctacagtc 120 282 cettecette eggataataa tgeettgttt gtaacegetg cacagacete tgggttgeca 180 283 totagtgtaa gatagagaga actgggtagg cototocoa 285 <210> SEQ ID NO: 10 286 <211> LENGTH: 227 287 <212> TYPE: DNA 288 <213> ORGANISM: Homo sapiens 290 <220> FEATURE: 291 <221> NAME/KEY: modified_base 292 <222> LOCATION: (63)

293 <223> OTHER INFORMATION: a, t, c, g, other or unknown

RAW SEQUENCE LISTING ERROR SUMMARY PATENT APPLICATION: US/09/930,213

DATE: 05/09/2002 TIME: 14:21:05

Input Set : D:\Albrel4.app

Output Set: N:\CRF3\05092002\I930213.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

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Seq#:3; N Pos. 335,353
Seq#:4; N Pos. 282,373,410,419
Seq#:5; N Pos. 21,339,464,505,514,519,528,560,584
Seq#:6; N Pos. 6,87,449,557
Seq#:7; N Pos. 479
Seq#:8; N Pos. 147
Seq#:10; N Pos. 63,198,211,224
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Seq#:12; N Pos. 302,374
Seq#:14; N Pos. 342,486
Seq#:15; N Pos. 474,482,514,588
Seq#:16; N Pos. 274,419,475,488,507
Seq#:17; N Pos. 301,332
Seq#:18; N Pos. 41,56,232,240
Seq#:19; N Pos. 155,161,162,164,249
Seq#:20; N Pos. 16,427,492,551,728,744,979,1146,1243,1343,1346,1352,1423
Seq#:20; N Pos. 1535
Seq#:21; N Pos. 27,30,369,393,416,492,496,541,551
Seq#:24; N Pos. 265
Seq#:25; N Pos. 84,191,197,207,214,227,234
Seq#:26; N Pos. 82,448,491,507,525,530,548,593,614
Seq#:27; N Pos. 335,412,421
Seq#:28; N Pos. 73
Seq#:29; N Pos. 6,8,12,59
Seq#:30; N Pos. 269,388,472
Seq#:31; N Pos. 446
Seq#:32; N Pos. 125,535,544,575
Seq#:33; N Pos. 437,452
Seq#:34; N Pos. 96,294,299,306
Seq#:35; N Pos. 175,255,260,399
Seq#:37; N Pos. 2,421,451
Seq#:40; N Pos. 473,499
Seq#:41; N Pos. 45,49,124,405,435
Seq#:43; N Pos. 431
Seq#:44; N Pos. 6,12
Seq#:46; N Pos. 130,488,513,537,543,567
Seq#:47; N Pos. 277,479,484
Seq#:48; N Pos. 98,100,101,253,258,281
Seq#:49; N Pos. 573,600,619,630
Seq#:51; N Pos. 514,523
Seq#:52; N Pos. 4,11,68,219
Seq#:53; N Pos. 8,19,22,24,117,217
Seq#:54; N Pos. 4,9
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Input Set : D:\Albrel4.app

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Seq#:71; N Pos. 7,184,306
Seq#:72; N Pos. 80,89,137,196,310
Seq#:73; N Pos. 130
Seq#:74; N Pos. 109,152
Seq#:75; N Pos. 91
Seq#:76; N Pos. 277
Seq#:77; N Pos. 247
Seq#:78; N Pos. 13,102,105,231,340
Seq#:79; N Pos. 35,108,170,195,196,233,234
Seq#:92; N Pos. 401,405
Seq#:104; N Pos. 520
Seq#:107; N Pos. 397
Seq#:116; N Pos. 104
Seq#:122; N Pos. 474
Seq#:124; N Pos. 93
Seq#:128; N Pos. 154,278,338,398
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Seq#:131; N Pos. 387,440
Seq#:134; N Pos. 317,318
Seq#:135; N Pos. 416,605
Seq#:143; N Pos. 532
Seq#:146; N Pos. 403
Seq#:147; N Pos. 392
Seq#:148; N Pos. 247,255,257,258,259,262,263,264,265,266,271,272,279,291
Seq#:148; N Pos. 292,295
Seq#:152; N Pos. 374
Seq#:153; N Pos. 547
Seq#:155; N Pos. 504,555,595,613,626,728,729,746
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Seq#:161; N Pos. 362,418,458,477,480,484,502,508,513,530,548,549,556,557
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Seq#:164; N Pos. 448,454
Seq#:167; N Pos. 332,357,362
Seq#:170; N Pos. 395
Seq#:173; N Pos. 532,593,606,627,653,658
Seq#:181; N Pos. 198
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Seq#:190; N Pos. 580,614,615,622,629
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Input Set : D:\Albrel4.app

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Seq#:192; N Pos. 95,141,223,224
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Seq#:195; N Pos. 270
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Seq#:203; N Pos. 465,467,468
Seq#:204; N Pos. 314,350,368,376
Seg#:207; N Pos. 15,24,28
Seq#:208; N Pos. 252,253,340
Seq#:209; N Pos. 325
Seg#:211; N Pos. 17,95,238,767,775
Seq#:216; N Pos. 585
Seq#:220; N Pos. 300,363
Seg#:226; N Pos. 102
Seq#:228; N Pos. 395
Seq#:229; N Pos. 321,400
Seq#:230; N Pos. 228
Seq#:231; N Pos. 311,324
Seq#:233; N Pos. 376,381,386,393,421,427,450,486
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Seq#:236; N Pos. 227,246,255,271,287,303
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Seq#:238; N Pos. 356,367,387,410,423,432
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Seq#:240; N Pos. 54,295,314,324,331,339,348,356,368
Seq#:241; N Pos. 52,205
Seq#:243; N Pos. 25,38,52,125,302,364,406
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Seq#:318; N Pos. 301,332
Seq#:319; N Pos. 2,421,451
Seq#:320; N Pos. 103,265,274
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Seq#:322; N Pos. 13,102,105,231,340
Seq#:323; N Pos. 392
Seq#:332; N Pos. 384,449,567,576
Seq#:334; N Pos. 13,22,23,25,27,41,233,235,236
Seq#:356; N Pos. 152,154
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Seq#:360; N Pos. 10,57
Seq#:368; N Pos. 157,159
Seq#:369; N Pos. 156,157
Seq#:374; N Pos. 161
Seq#:390; N Pos. 45,47
Seq#:398; N Pos. 88,89,91,96,107,112,118,154
Seq#:403; N Pos. 163,243
Seq#:410; N Pos. 19,181
Seq#:419; N Pos. 30,60,146,171
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Input Set : D:\Albrel4.app

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Seq#:430; N Pos. 82
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Seq#:441; N Pos. 131
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Seq#:450; N Pos. 50
Seg#:451; N Pos. 158,159
Seq#:453; N Pos. 36
Seq#:454; N Pos. 3,25,42
Seq#:461; N Pos. 88,91,93
Seq#:468; N Pos. 143
Seq#:469; N Pos. 83,152,197
Seq#:478; N Pos. 40,103
Seq#:490; N Pos. 178,202,208
Seq#:494; N Pos. 165,173
Seq#:507; N Pos. 244,245
Seq#:517; N Pos. 26
Seq#:522; N Pos. 229
Seq#:524; N Pos. 88,131,135
Seq#:526; N Pos. 225
Seq#:569; N Pos. 2,6,9,11,13,23,25,26,33,36,40,42,44,48,50,51,52,60,61,64
Seq#:569; N Pos. 67,70,72,73,75,77,79,81,83,89,91,92,95,98,100,105,110,120
Seq#:569; N Pos. 124,133,139,143,144,152,163,164,231
Seq#:570; N Pos. 88,89,90,93,94,95,96,97,98,99,100,101,102,103,104,105,106
Seq#:570; N Pos. 107,108,109
Seq#:572; N Pos. 57,60,63,66,70,72,76,78,98,102,113,137,154,155,156,162,163
Seq#:572; N Pos. 164,165,166,167,168,170
Seq#:583; N Pos. 1,2,6,11,13,14,28,29,40
Seq#:584; N Pos. 3,10,11,15,20,22,24,34,39,41,191,228,243,245
Seq#:585; N Pos. 3,8,9,13,18,20,22,47,51,65,68,72
Seq#:587; N Pos. 3,8,9,13,18,20,23,31,35,37,38,39,40,42,43,44,48,49,52,54
Seq#:587; N Pos. 55,58,63,65,71,73,76,78,81,82,87,105,113,183,210,213,223
Seq#:588; N Pos. 3,8,9,13,18,20,22,30,37,39,43,44,49,54,59,61,70,123,142
Seq#:588; N Pos. 154,172
Seq#:589; N Pos. 1,2,6,11,13,14,24,31,33,36,37,40,42,44,56,64,66,113,114
Seq#:590; N Pos. 4,12,28,29,32,33,36,43
Seq#:592; N Pos. 2,7,8,12,17,19,21,30,34,39,159
Seq#:617; N Pos. 249
Seq#:623; N Pos. 158,159
Seq#:627; N Pos. 166
Seq#:630; N Pos. 7
Seq#:633; N Pos. 4,16,38,51,79,98,115,188,238,255
Seq#:634; N Pos. 18,26,56,67,71,93,104,106,109,111,113,116,128,150,171,174
Seq#:634; N Pos. 182,202,234,244,245,249
Seq#:637; N Pos. 47,139,148,154,216
Seq#:638; N Pos. 149
Seq#:639; N Pos. 16,75,93,123,155,194,197,199,211,215
Seq#:640; N Pos. 8,10,22,151,159,174,211,226,227,241
Seq#:646; N Pos. 85
```

Input Set : D:\Albrel4.app

```
Seq#:647; N Pos. 79
Seg#:654; N Pos. 9,12,19
Seq#:656; N Pos. 12,13,16,28,30,33,34,41,52,53,60,61,72,83,85,86,90,96,97
Seq#:656; N Pos. 100,101,106,110,112,114,121,129,135,136,142,143,146,148
Seq#:656; N Pos. 150,153,155,156,160,161,164,165,166,169,171,175,176,199
Seq#:656; N Pos. 202,207,224,225,226,232
Seq#:657; N Pos. 19
Seq#:660; N Pos. 2,4,5,6,8,11,13,20,24,34,35,36,38,40,42,43,45,49,51,52,57
Seq#:660; N Pos. 60,64,71,73,75,80,82,83,84,85,96,99,105,106,109,112,115
Seq#:660; N Pos. 121,126,136,137,144,147,152,154,163,165,170,175,181,183
Seq#:660; N Pos. 184,186,194,195,197,208,213,214,250
Seq#:663; N Pos. 11,16,17,32,115
Seq#:665; N Pos. 31,35,36,42,69,71,82,93,97,112,116,119,120,122,135,137,145
Seq#:665; N Pos. 149,151,154,155,159,160,174,177,197,198,208,210,250
Seq#:666; N Pos. 6
Seq#:671; N Pos. 16,20,21,26,35,47,51,66,69,73,86,92,93,99,111,114,121
Seq#:673; N Pos. 102,137
Seq#:677; N Pos. 255
Seq#:678; N Pos. 97,199
Seq#:680; N Pos. 199
Seq#:682; N Pos. 17,51,107,113,115,132,134,144,155,165,166
Seq#:683; N Pos. 33
Seq#:685; N Pos. 127,138,148,150,210,228,251
Seq#:686; N Pos. 11,14,15,94,113,117,127,151,165,177,188,198,223,231,241
Seq#:686; N Pos. 254
Seq#:689; N Pos. 25,215
Seq#:690; N Pos. 24,35,43,46,60,63,91,105,108,116,119,124,127,132,136,140
Seq#:690; N Pos. 150,182,200,205,213,216,224,234,239,241,252
Seq#:692; N Pos. 50,69,121,209,228,230
Seq#:696; N Pos. 60,67,174,181
Seq#:697; N Pos. 144,172
Seq#:698; N Pos. 6,189
Seq#:700; N Pos. 75,108,110,147,190
Seq#:706; N Pos. 150
Seq#:709; N Pos. 18
Seq#:710; N Pos. 138
Seq#:712; N Pos. 141,190
Seq#:715; N Pos. 202,210,254
Seq#:716; N Pos. 15,26,43
Seq#:717; N Pos. 13,39
Seq#:720; N Pos. 127
Seq#:724; N Pos. 1,2,10
Seq#:726; N Pos. 221
Seq#:729; N Pos. 231
Seq#:731; N Pos. 4,13,16,25,27,48,61,65,70,85,89,94,98,103,106,111,116,117
Seq#:731; N Pos. 118,130,135,138,142,143,144,147,150,156,161,165,166,167
Seq#:731; N Pos. 168,178,184,186,187,192,193,194,199,208,217,218,221,223
Seq#:731; N Pos. 225,226,229,231,236,237,240,242,247,250,253,254,255
Seq#:734; N Pos. 93,208,216
```

Input Set : D:\Albrel4.app

```
Seq#:738; N Pos. 135,137
Seg#:746; N Pos. 145,148
Seq#:747; N Pos. 50,126,171
Seq#:754; N Pos. 70,76,132,149,189,198,242,249
Seq#:758; N Pos. 93,107,116,125,133,138,141,152,160,164,169,170,172,174,175
Seq#:758; N Pos. 184,187,194,196,204,208,212,215,217,218,221,227,230,251
Seg#:758; N Pos. 252,255
Seq#:759; N Pos. 30,62
Seq#:763; N Pos. 37,47,54,58,71,74,77,85,87,90,94,96,97,104,110,123,124,134
Seq#:763; N Pos. 140,146,149,152,153,155,162,165,175,178,180,184,191,200
Seq#:763; N Pos. 202,206,207,208,210,215,217,219,224,232,238,243,245,251
Seq#:764; N Pos. 38,169,197,220
Seq#:766; N Pos. 4,29,30,32,45,52,55,59,84,87,88,95,112,145,158,164,174,186
Sea#:766; N Pos. 237,245,255
Seq#:768; N Pos. 53,68,72,115,132,151,202,206,207,210
Seq#:772; N Pos. 3,14,19,20,22,237,242
Seq#:775; N Pos. 94
Seg#:779; N Pos. 32,35,39,80
Seq#:780; N Pos. 31,239,245
Seq#:784; N Pos. 52,169,252,253
Seq#:785; N Pos. 80
Seq#:787; N Pos. 8
Seq#:790; N Pos. 2
Seq#:791; N Pos. 217,252
Seq#:795; N Pos. 9,12,21,34,47,56,69,71,101,128,211,251
Seq#:797; N Pos. 80,131
Seq#:801; N Pos. 20,33,48,90,95,116,127,166,172,184,185,190,196,199,201,205
Seq#:801; N Pos. 207,208,210,212,223,226,228,230,236,240,243,249,252
Seq#:802; N Pos. 139,153,162,165,213,233,237,254
Seq#:803; N Pos. 1,10,22,43,62,68,84,89,116,129,159,170,174,176,180,200,205
Seq#:803; N Pos. 206,210,214,219,223,228,233,245,247,254
Seq#:805; N Pos. 1,5,11,14,21,22,30,33,60,67,68,73,75,76,77,78,91,97,105
Seq#:805; N Pos. 110,138,151,159,162,164,166,167,169,171,175,178,180,181
Seq#:805; N Pos. 182,183,184,186,195,199,211,218,221,224,226,236,237,241
Seq#:805; N Pos. 252
Seq#:806; N Pos. 3,4,5,7,12,16,26,27,30,37,38,52,54,59,62,65,70,105,109,123
Seq#:806; N Pos. 134
Seg#:807; N Pos. 175
Seq#:808; N Pos. 12,70,122,245
Seq#:810; N Pos. 6,22,33,45,61,66,78,86,107,147,149,160,166,168,169,170,177
Seq#:810; N Pos. 184,186,190,191,193,195,196,197,200,201,202,204,217,219
Seq#:810; N Pos. 221,222,224,226,236,240,247,250,252
Seq#:811; N Pos. 127,136
Seq#:812; N Pos. 100,108,132,144,151,197,213,215,227
Seq#:814; N Pos. 39,115,131,134,150,152,173,175,201,209
Seq#:819; N Pos. 115,151,198,252,254
Seq#:821; N Pos. 14
Seq#:822; N Pos. 1,2,3,4,5,6,7,8,19,189
Seq#:823; N Pos. 13,32,46,59,77,87,88,98,99,103,105,107,109,116,118,119,121
```

Input Set : D:\Albrel4.app

```
Seq#:823; N Pos. 122,126,128,133,149,151,159,173,175,178,187,190,192,193
Seg#:823; N Pos. 229
Seq#:824; N Pos. 6,13,130,221
Seq#:826; N Pos. 12,95,130,170,183,185,205,210,223,236,238
Seq#:829; N Pos. 61,64,66,67,74,75,76,78,81,87,89,94,95,102,106,111,113,117
Seg#:829; N Pos. 121,131,132,134,142,148,149,154,163,171,172,180,190,197
Seq#:829; N Pos. 203,205,206,209,216,220,229,233,239,242,253
Seq#:831; N Pos. 79,84,100,142,154,169,183,222,229,246
Seq#:833; N Pos. 8,169,214
Seq#:835; N Pos. 23,32,33,45,73,78,132,140,141,145,177,186
Seq#:836; N Pos. 1,7,13,14,18,19,20,22,27,28,42,45,50,52,55,56,57,58,117
Seq#:836; N Pos. 133,182,220,224,230
Seq#:837; N Pos. 12,13,85,115,150,162,190
Seq#:838; N Pos. 15,27,44,76,81,112,115,118,133,137,148,162,168
Seq#:839; N Pos. 5,6,9,26,44,88,89,111,123,128,137,141,153,155,162,173,174
Seg#:839; N Pos. 179,210
Seq#:840; N Pos. 181,222,228
Seq#:841; N Pos. 39,44,45,46,47,67,100,109,110
Seq#:842; N Pos. 209,245,253
Seq#:844; N Pos. 22,36,115,129
Seq#:845; N Pos. 220
Seq#:846; N Pos. 2,5,9,10,26,36,39,42,48,52,56,63,73,76,106,107,114,122,128
Seq#:846; N Pos. 130,131,135,141,143,146,156,157,178,183,184,185,187,191
Seq#:846; N Pos. 198,200,203,204,205,213,214,220,229,247
Seq#:848; N Pos. 4,8,16,31,33,35,54,78,88,115,122,155,161,182
Seq#:850; N Pos. 45,63,73,91,101,106,166,170,203,214,234
Seq#:851; N Pos. 35,39,44,45,49
Seq#:857; N Pos. 4,6,26,49,121,137,154,169,197
Seq#:861; N Pos. 1,3,7,10,42,50,64,73,88,111,119,127,132,137,139,142,148
Seq#:861; N Pos. 158,161,163,179,183,197,212,217,228,240,243,244,247,250
Seg#:863; N Pos. 49
Seq#:865; N Pos. 33,136
Seq#:872; N Pos. 7
Seq#:874; N Pos. 209
Seq#:875; N Pos. 148,149,158,165,168
Seq#:878; N Pos. 85,86,87
Seq#:880; N Pos. 59,86,87,90,91,92,97,98
Seq#:881; N Pos. 85,86,87,88,91,94,100,101,103,104,105,106,107,108
Seq#:882; N Pos. 82,83,92
Seq#:885; N Pos. 86,88,144,159
```

VERIFICATION SUMMARY

PATENT APPLICATION: US/09/930,213

DATE: 05/09/2002 TIME: 14:21:05

Input Set : D:\Albrel4.app

```
L:58 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:0
L:63 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:300
L:64 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:360
L:65 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:420
L:101 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:300
L:133 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4 after pos.:240
L:135 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4 after pos.:360
L:189 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5 after pos.:0
L:194 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5 after pos.:300
L:196 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5 after pos.:420
L:197 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5 after pos.:480
L:198 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5 after pos.:540
L:227 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6 after pos.:0
L:228 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6 after pos.:60
L:234 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6 after pos.:420
L:236 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6 after pos.:540
L:256 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7 after pos.:420
L:272 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8 after pos.:120
L:312 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10 after pos.:60
L:314 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10 after pos.:180
L:357 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:11 after pos.:0
L:362 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:11 after pos.:300
L:365 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:11 after pos.:480
L:366 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:11 after pos.:540
L:390 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12 after pos.:300
L:391 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12 after pos.:360
L:429 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:14 after pos.:300
L:432 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:14 after pos.:480
L:467 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15 after pos.:420
L:468 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15 after pos.:480
L:469 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15 after pos.:540
L:507 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16 after pos.:240
L:509 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16 after pos.:360
L:510 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16 after pos.:420
L:511 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16 after pos.:480
L:534 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:17 after pos.:300
L:562 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:18 after pos.:0
L:565 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:18 after pos.:180
L:596 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:19 after pos.:120
L:598 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:19 after pos.:240
L:677 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:20 after pos.:0
L:684 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:20 after pos.:420
L:685 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:20 after pos.:480
L:686 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:20 after pos.:540
L:689 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:20 after pos.:720
L:693 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:20 after pos.:960
L:696 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:20 after pos.:1140
L:697 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:20 after pos.:1200
```

VERIFICATION SUMMARY

DATE: 05/09/2002

PATENT APPLICATION: US/09/930,213

TIME: 14:21:05

Input Set : D:\Albrel4.app

Output Set: N:\CRF3\05092002\1930213.raw

L:699 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:20 after pos.:1320 L:700 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:20 after pos.:1380